

09901702-12801

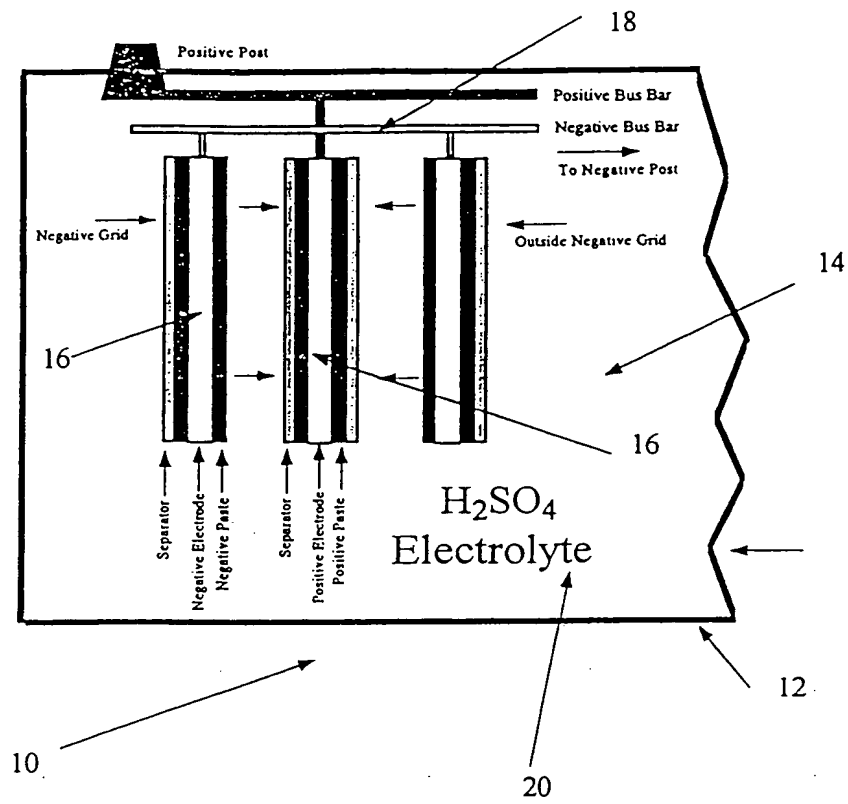


Figure 1

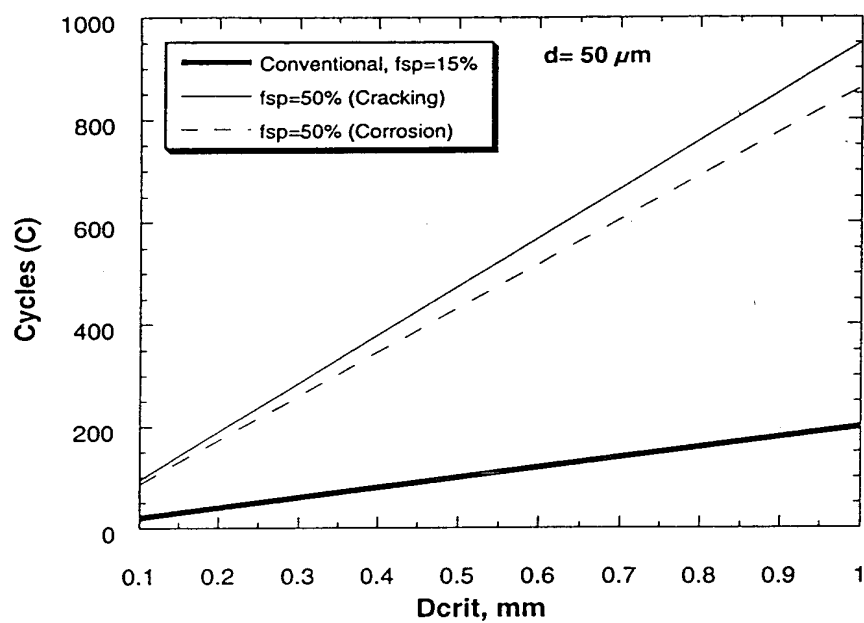


Figure 2

Creep Rate of Cast Versus GBE⁺ Pure Pb

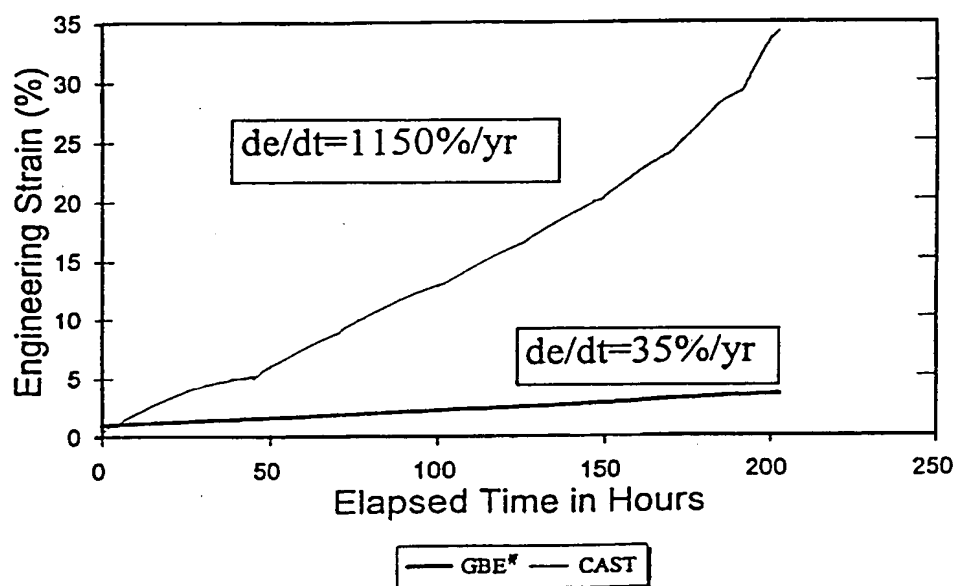
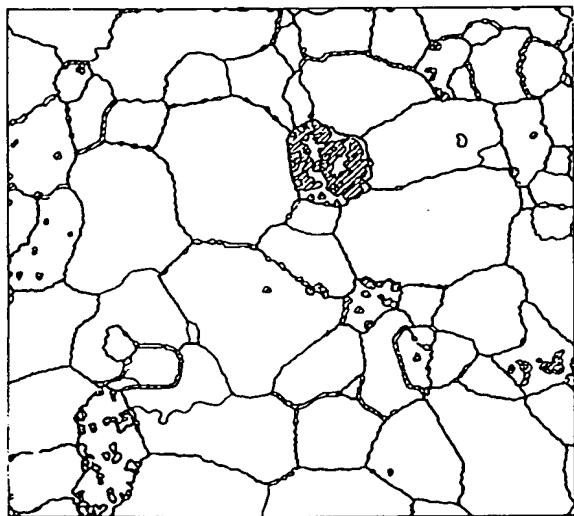
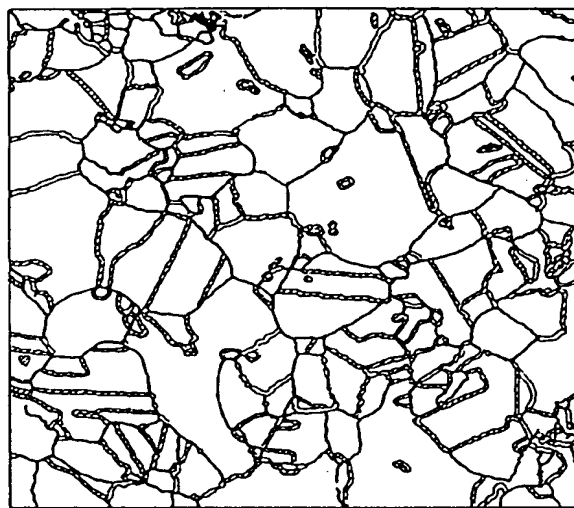


Figure 3

00001702.12691
F0021702.12691



(a)



(b)

Figure 4

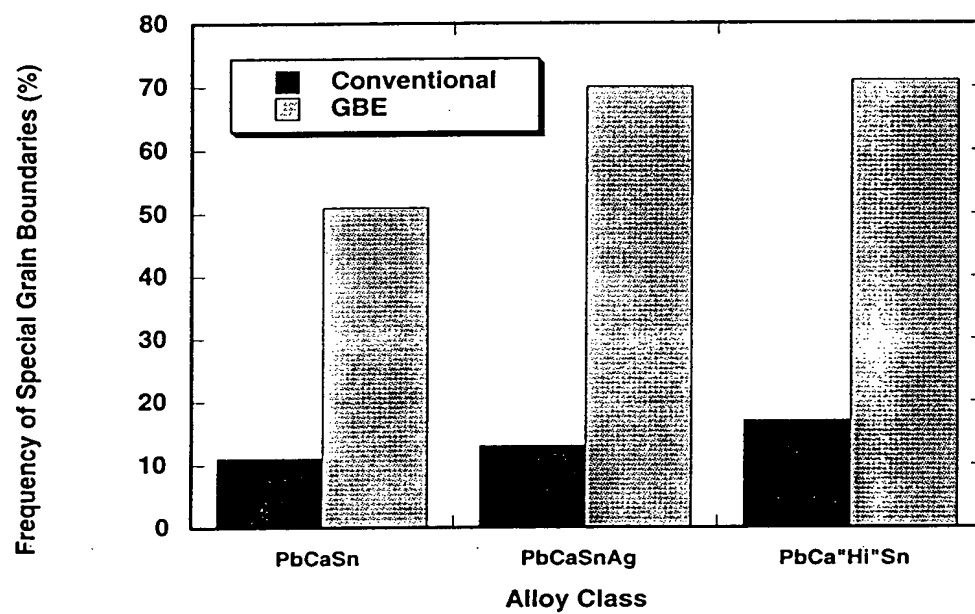


Figure 5

Corrosion

Alloy	Conventional (mg/cm ²)	GBE (mg/cm ²)	% Reduction
CaSn	2.2	1.5	35%
HiSn	3.9	2.9	26%
Ag	3.7	2.6	28%

Cycling

Alloy	Conventional (mg/cm ²)	GBE (mg/cm ²)	% Reduction
CaSn	1.5	0.9	46%
HiSn	2.3	1.5	30%
Ag	1.8	1.1	43%

Alloy

■ Conventional ▨ GBE

Figure 6A

09031702 11201
100211 201600

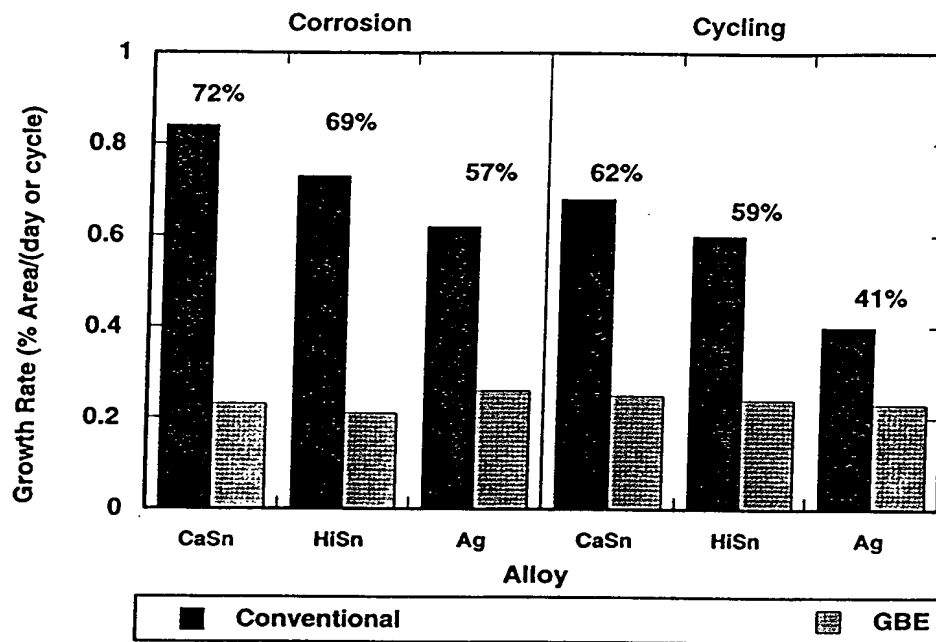


Figure 6B

09991702-112601

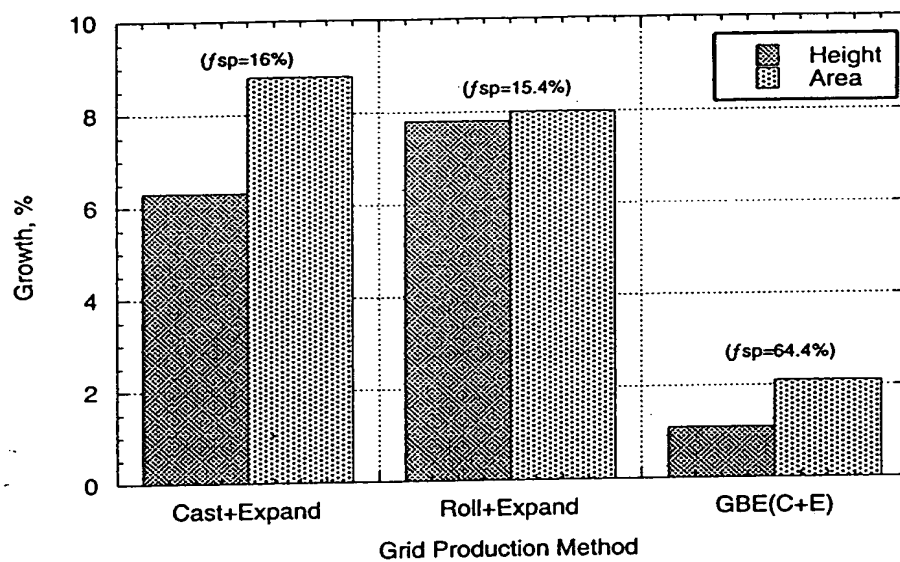


Figure 7A

09931702 112601
109211 2076660

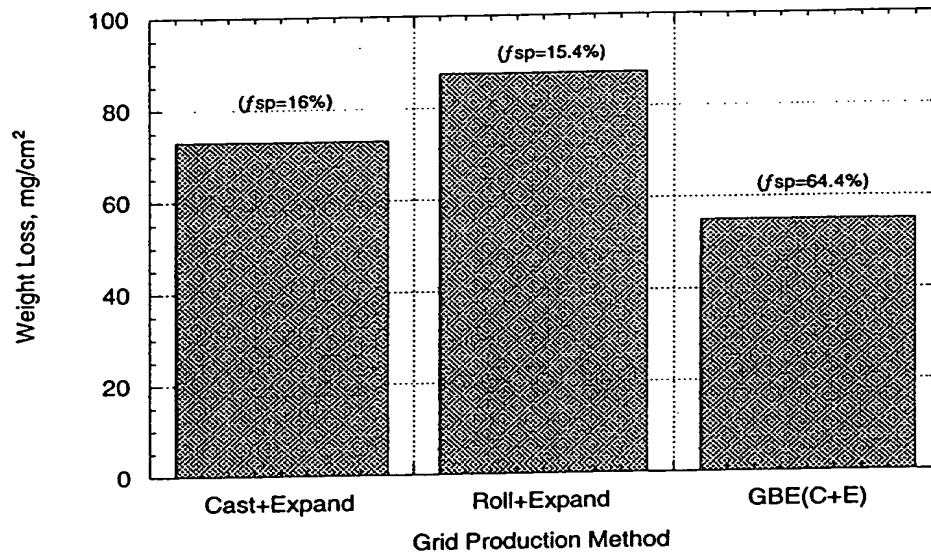


Figure 7B